INDUSTRIAL
WASTEWATER-LAND APPLICATION PERMIT
ENVIRONMENTAL MAINTENANCE, L.L.C.
LA-000181-01

Environmental Maintenance, LLC, 475 West 100 South, Jerome, Idaho 83338 IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. **THE LAND APPLICATION SITE IS LOCATED IN OWYHEE COUNTY, APPROXIMATELY 3 MILES SOUTHWEST OF THE CITY OF BRUNEAU.** THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON APRIL 28, 2009.

Katherine B. Kelly, Administrator
Boise Regional Office
Idaho Department of Environmental Quality

Date: 4/28/04

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 North Orchard
Boise, Idaho 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

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Reference Documents

1. Plan of Operation (Operation and Maintenance Manual)
2. Nuisance Odor and Vector Management Plan
3. Waste Solids Management Plan

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000181-01 and are enforceable as such. This permit does not relieve Environmental Maintenance, LLC, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
Fiber Crops	Crops grown for fodder or seed.
Food Crops	Crops grown for human consumption, including, but not limited to fruits and vegetables.
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 1 through October 31 (214 days). May vary depending site specific climate and crops.
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. *Permit Limits and Conditions.*
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. *Permit Limits and Conditions*.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
Lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)

C. Abbreviations, Definitions

NGS	Non-Growing Season – typically November 1 through March 31 (151 days). May vary depending site specific climate and crops.
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio
SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, November 1 to October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Environmental Maintenance, LLC; Clinton McCord, Owner
Type of Wastewater	Septage, Grease Trap Wastes, Fish Processing Wastes, Cheese Processing Wastewater from WestFarm Foods and Glanbia Foods, Inc.
Method of Treatment	Primary treatment - solids removal in concrete separation basin, decanted liquid into storage pond. Truck application of decanted liquid by truck on fallow fields. Solids to be treated at on-site composting operation and applied on land application fields
Type of Facility	Private
Facility Location	Located approximately 3 miles south of Bruneau, Idaho
Legal Location	Township 6 South, Range 5 East, parts of sections 33, 34, and 35 Township 7 South, Range 5 East, parts of section 3, 4, and 10 (land application sites)
County	Owyhee
USGS Quad	Sugar Valley
Soils on Site	Vanderhoff Silt Loam, Bram Silt Loam
Depth to Ground Water	Artesian system, ground water generally 100 feet or more in depth, rises to near ground surface in some locations due to artesian conditions
Beneficial Uses of Ground Water	Agriculture, domestic
Nearest Surface Water	Bruneau River approximately 3 miles east of site; Sugar Valley Wash, an ephemeral drain is located west of the site
Beneficial Uses of Surface Water	Agriculture, industrial, domestic, recreation, and aquatic life
Responsible Official **Mailing Address** **Phone / Fax**	Clinton McCord 475 West 100 South Jerome, Idaho 83338 (208) 539-6248 / (208) 324-7660
Facility Consultants **Mailing Address** **Phone / Fax**	Millennium Science and Engineering, Inc. 1605 North 13th Street Boise, Idaho 83702 (208) 345-8292 / (208) 344-8007

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-181-01 **Vector and Odor Management Plan** Prior to applying wastewater at site	The wastes delivered to the site will have the potential to create odors and attract flies and other vectors. A Vector and Odor Management Plan shall be submitted to DEQ for review and approval. The Plan shall include wastewater and solids handling systems, land application facilities, and other operations associated with the facility. The plan shall include specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for or limit vectors and odors. The plan shall also include procedures to respond to a vector or odor incident if one occurs, including notification procedures.
CA-181-02 **Waste Solids Management Plan** Prior to applying waste solids at site	A waste solids management plan shall be submitted to DEQ for review and approval. The plan may include pilot test proposals for composting processes. Plans and specifications for waste solids management facilities, including composting operations, shall be approved by DEQ prior to construction. The plan shall be approved by DEQ prior to applying waste solids at the site.
CA-181-03 **Site Map** Prior to applying wastewater at site	Submit a scaled, site map delineating buffer zones, homes, public access areas, private wells, canals, etc. and the acreage of each HMU. Site Maps shall be provided by the permittee and shall include at a minimum all requirements of IDAPA 58.01.17.300.05.e through f.
CA-181-04 **O&M Manual** Prior to applying wastewater at site	A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance.
CA-181-05 **Cropping Plan** Prior to applying wastewater at site	A cropping plan, prepared by a qualified professional, shall be submitted to DEQ for review and approval. The plan shall address salinity and sodium levels in the land application fields.

F. Permit Limits and Conditions

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

Category	Permit Limits and Conditions
Types of Wastewater	Septage, Grease Trap Wastes, Fish Processing Wastes, Wastewater from WestFarm Foods and Glanbia Foods, Inc.
Application Site Area	Twelve fields covering approximately 515.6 acres
Application Limitation	Land application is allowed only on fallow fields. Fallow fields are non-cropped fields that will be cropped the following year.
Application Season	Year-round
Application Method	Truck application of wastewater
Growing Season (GS)	March 15 through October 31
Non-growing Season (NGS)	November 1 through March 14
Reporting Year for Annual Loading Rates	November 1 through October 31
Growing Season Maximum Hydraulic Loading Rate (Applies to wastewater and supplemental irrigation water).	Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.
Runoff	The land application facilities shall be designed, constructed, maintained and operated to contain runoff within the DEQ-approved area, except after a 25-year, 24-hour storm event or greater using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 "Isopluvials of 25-YR, 24-HR Precipitation". For this site, the 25-year, 24-hour event is 1.8 inches. Plans and specifications for facilities to comply with this requirement shall be submitted to DEQ for review and approval.
Livestock Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities.
Ground Water Quality	Ground water quality shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11.
Maximum COD Loading, GS and NGS Seasonal Avg. Pounds/acre-day, each HMU	50 pounds/acre-day

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU	150% of typical crop uptake from all sources, including waste solids, animal wastes, and supplemental fertilizers **or** use University of Idaho Fertility Guides. If Fertility Guides are used, documentation shall be provided to determine compliance with the Fertility Guides.
Maximum Phosphorus Loading Rate, pounds/acre-year, each HMU	None. In the event DEQ determines phosphorus limits are necessary, DEQ shall issue a draft modification to the permit and a staff analysis, and process the modification as provided in IDAPA 58.01.17.400.
Septage Restriction	Direct application of 100% municipal septage to any land application area is prohibited.
Construction Plans	Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be submitted to DEQ for review and approval by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.
Wellhead Protection	Buffer zones of 500 feet or more shall be maintained between land application areas and private domestic water supplies and 1,000 feet or more for existing public water supplies unless a DEQ-approved well location acceptability analysis indicates an alternative buffer zone is acceptable (see Idaho WLAP Handbook for discussion on approved well location acceptability analysis). Berms and other BMPs shall be used to protect the well heads of on-site irrigation wells.
Buffer Zones	Buffer zone distances from shall be provided as follows: • Inhabited Dwellings: 300 feet or more if wastewater is truck applied; 1,000 feet or more if sprinkler applied • Public Access Areas: 50 feet or more if wastewater is truck applied; 1,000 feet or more if sprinkler applied • Natural Surface Waters: 100 feet or more • Man-made Surface Waters: 50 feet or more
Supplemental Irrigation Water Protection	For systems with wastewater and fresh irrigation water inter-connections, DEQ-approved backflow prevention devices are required.
Vector and Odor Management	The land application facilities, composting operations, and other operations associated with the facility shall not create a public health hazard or nuisance conditions including odors. These facilities shall be managed in accordance with a DEQ-approved Vector and Odor Management Plan.
Fencing and Posting	Three-wire pasture fence (or equivalent) shall be installed and/or maintained around the perimeter of the land application areas. The perimeter of the land application areas shall be posted every 500 feet and at each corner with signs reading "Sewage Effluent Application – Keep Out" or equivalent.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Cropping Restrictions	• Food crops that come in contact with the wastewater shall not be harvested for 14 months after application. • Food crops with harvested portions below the land surface shall not be harvested where wastewater is applied for a period of 38 months. • Food crops that do not come in contact with wastewater and fiber crops shall not be harvested for 30 days or more after the last wastewater application.

G. Monitoring Requirements

1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality, shall be employed. A description of approved sample collection methods, appropriate analytical methods, and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.

2) The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.

3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

4) Unless otherwise agreed to in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown.

5) Ten (10) soil sample locations shall be selected for each management unit with greater than fifteen acres and Five (5) soil sample locations shall be selected for each management unit with fifteen acres or less. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches or to refusal. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each management unit.

6) Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements of at least two of pH, specific conductance and temperature meet the following conditions: successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling the ground water.

7) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

8) Monitoring locations are defined in Appendix 1, “Environmental Monitoring Serial Numbers”.

G. Monitoring Requirements

Facility Monitoring Table

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Daily (when applying)	Tanker truck volume and number of truck applications	Volume of wastewater applied	Volume (million gallons and acre-inches) to each hydraulic management unit (HMU), record monthly and annually
Monthly (each month when wastewater is applied)	Wastewater from transfer basin no. 1	Wastewater quality to land application, grab sample from transfer basin	Chemical Oxygen Demand, Total Kjeldahl Nitrogen, Ammonia-Nitrogen, Nitrite + Nitrate-Nitrogen, Total Phosphorus, Total Dissolved Solids, Volatile Dissolved Solids
Monthly (each month when wastewater is applied)	Wastewater from transfer basin no. 2	Wastewater quality to land application, grab sample from transfer basin	Chemical Oxygen Demand, Total Kjeldahl Nitrogen, Ammonia-Nitrogen, Nitrite + Nitrate-Nitrogen, Total Phosphorus, Total Dissolved Solids, Volatile Dissolved Solids
Finished compost		Mass quantity	Pounds to each HMU
Finished compost	Each finished compost pile	Compost quality to land application	Total Kjeldahl Nitrogen, Ammonia-Nitrogen, Nitrate-Nitrogen, Total Phosphorus, Fecal Coliform Bacteria
Finished compost	First two finished compost piles	Compost quality to land application	Arsenic, Cadmium, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, and Zinc
Daily	Flow meter, Clibrated Pump Rate, or other DEQ-approved method	Supplemental Irrigation Water	Volume (million gallons and acre-inches) to each HMU, report monthly and annually.
Twice per year (May and Oct)	Ground Water from irrigation wells listed in Appendix 1	Grab sample of ground water	Nitrate-Nitrogen, Total Phosphorus, Total Dissolved Solids
Monthly	Each HMU	Calculate IWR for each crop type	Volume (million gallons and acre-inches) required for each crop, per HMU, record monthly
Twice per year (near the start of GS and near the end of GS)	Each soil monitoring unit	See Note 5. **Note: Soil sampling is required in the GS following initial application of waste-water and/or waste solids and each year thereafter**	Electrical Conductivity, SAR, Nitrate-Nitrogen, Ammonium Nitrogen, Plant Available Phosphorus (Olsen method), pH

G. Monitoring Requirements

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Annually **Crop type, plant tissue analysis, and crop removal monitoring are required in the growing season following application of wastewater and/or waste solids**	Each HMU	Crop type(s) and yield	Pounds/acre and total pounds per HMU (specify moisture basis)
	Each HMU	Plant tissue analysis: Composite sample of harvested portion of each crop per harvest	Nitrate-Nitrogen, Total Kjeldahl Nitrogen, Total Phosphorus, Ash (dry basis, tons/acre)
	Each HMU	Calculate crop nitrogen, phosphorus, and ash removal	Pounds/acre and total pounds per HMU (dry basis)
Annually **These calculations are required for the period specified if wastewater and/or waste solids are applied (annual, growing season, or non-growing season).**	Each HMU	Calculate GS and NGS wastewater (WW) loading rate	Million gallons & Inches/GS Million gallons & Inches/NGS
	Each HMU	Calculate seasonal average COD loading rate (GS and NGS) from wastewater and solids	Pounds/acre-day
	Each HMU	Calculate annual nitrogen loading rate from wastewater and solids	Pounds/acre-year
	Each HMU	Calculate annual phos. loading rate from wastewater and solids	Pounds/acre-year
	Each HMU	Calculate annual NVDS loading rate from wastewater and solids	Pounds/acre-year
Annually	Each HMU	Calculate GS supplemental irrigation (SI) loading rates	Million gallons & Inches/GS
	Each HMU	Report nitrogen and phosphorus fertilizer application rates	Type and Pounds/acre-year

H. Reporting Requirements

1.) The Permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2.) The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3.) The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-0550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4.) Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5.) All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

    a. Apply wastewater as evenly as practicable to the treatment area;
    b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
    c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

    a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
    b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

    a. Enter the permitted facility,
    b. Inspect any records that must be kept under the conditions of the permit.
    c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
    d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

    a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
    b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
    c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below):

DEQ Regional Office: see Permit Certificate Page
Emergency 24 Hour Number: 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Wastewater Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code§ 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-018101	Field 101	25
MU-018102	Field 41	40
MU-018103	Field 23	40
MU-018104	Field 26 West	40
MU-018105	Field 26	40
MU-018106	Field 19	55.3
MU-018107	Field 32	70
MU-018108	Field 38	26.3
MU-018109	Field 40	34
MU-018110	Field 47	40
MU-018111	Field 100	60
MU-018112	Field 49	45

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-018101	Wastewater from transfer basin no. 1 (all waste streams)
WW-018102	Wastewater from transfer basin no. 2 (cheese wastewater only)

SUPPLEMENTAL IRRIGATION WATER SAMPLING POINTS

Serial Number	Description
SI-018101	Supplemental irrigation water from ground water

WASTE SOLIDS SAMPLING POINTS

Serial Number	Description
WS-018101	Finished compost

LAGOONS

Serial Number	Description
LG-018101	Transfer basin no. 1 lagoon (for all waste streams)
LG-018102	Transfer basin no. 2 lagoon (for cheese wastewater from WestFarm Foods and Glanbia Foods, Inc.)

Appendix 1
Environmental Monitoring Serial Numbers

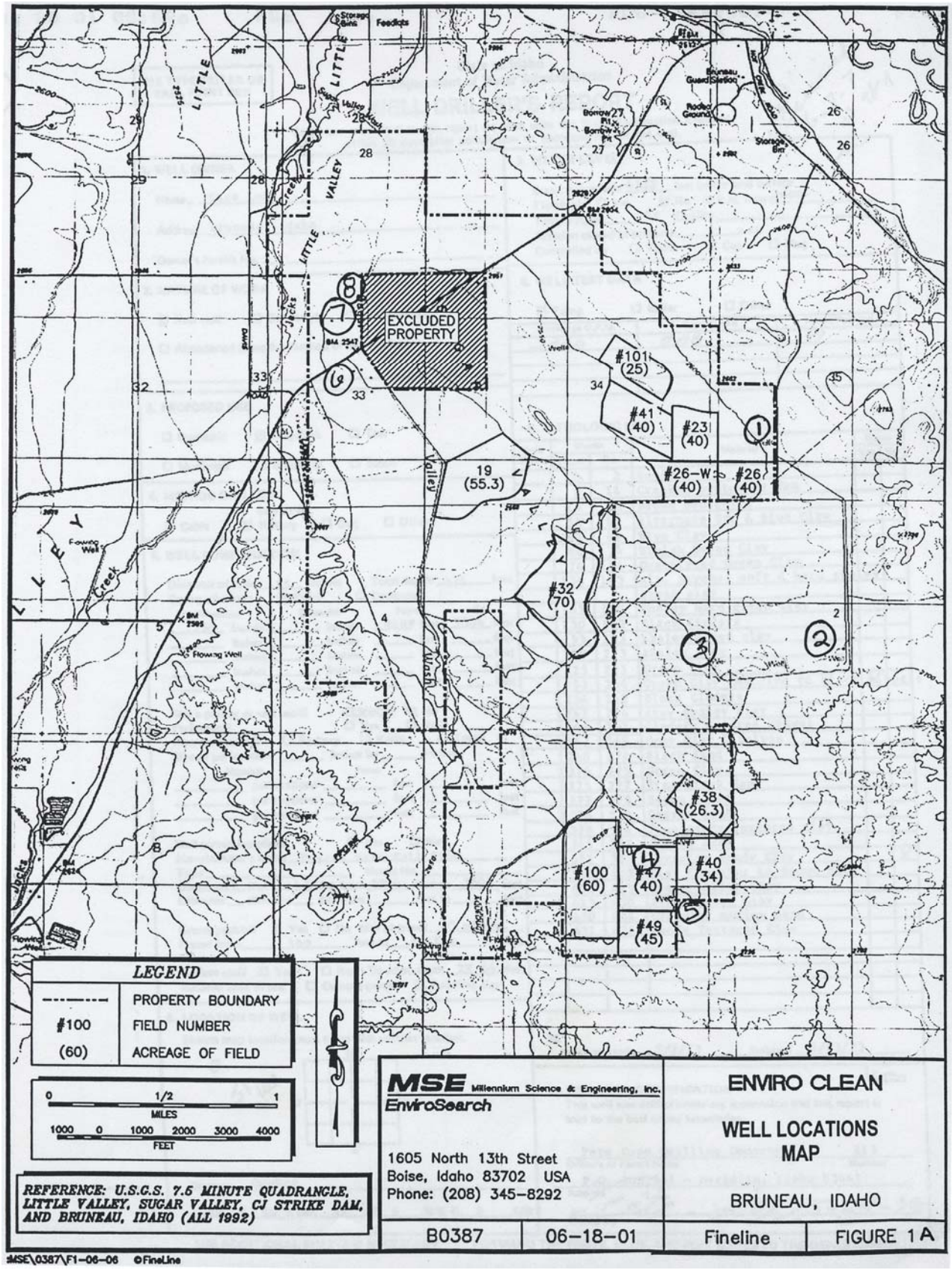
SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-018101	Field 101	MU-018101
SU-018102	Field 41	MU-018102
SU-018103	Field 23	MU-018103
SU-018104	Field 26 West	MU-018104
SU-018105	Field 26	MU-018105
SU-018106	Field 19	MU-018106
SU-018107	Field 32	MU-018107
SU-018108	Field 38	MU-018108
SU-018109	Field 40	MU-018109
SU-018110	Field 47	MU-018110
SU-018111	Field 100	MU-018111
SU-018112	Field 49	MU-018112

GROUND WATER MONITORING

Serial Number	Description	Location
GW-018101	Irrigation well no. 4 or 5	See Appendix 2

Site Maps


EXCLUDED PROPERTY
#101 (25)
#41 (40)
#23 (40)
#26-W (40)
#26 (40)
19 (55.3)
#32 (70)
#38 (26.3)
#100 (60)
#47 (40)
#40 (34)
#49 (45)
LEGEND
PROPERTY BOUNDARY
#100 FIELD NUMBER
(60) ACREAGE OF FIELD
0 1/2 1 MILES
1000 0 1000 2000 3000 4000 FEET
REFERENCE: U.S.G.S. 7.5 MINUTE QUADRANGLE, LITTLE VALLEY, SUGAR VALLEY, CJ STRIKE DAM, AND BRUNEAU, IDAHO (ALL 1992)
MSE Millennium Science & Engineering, Inc.
EnviroSearch
1605 North 13th Street
Boise, Idaho 83702 USA
Phone: (208) 345-8292
ENVIRO CLEAN
WELL LOCATIONS MAP
BRUNEAU, IDAHO
B0387
06-18-01
Fineline
FIGURE 1A
MSE\0387\F1-06-06 ©FineLine

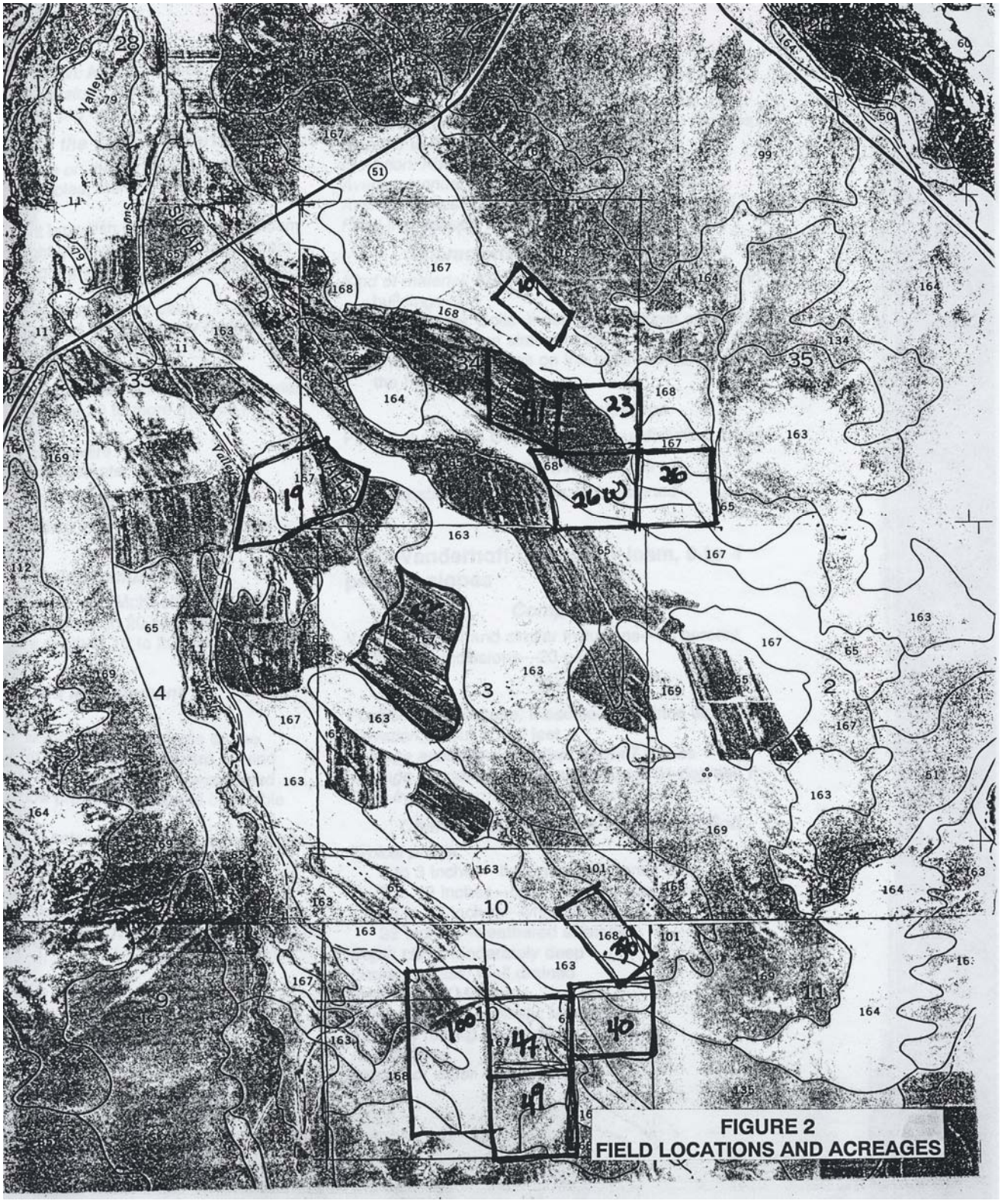


FIGURE 2
FIELD LOCATIONS AND ACREAGES